

Title (en)

Pellet fuel burner for heating and drying systems

Title (de)

Kugelhaufenbrenner für Heiz- oder Trocknungssysteme

Title (fr)

Brûleur à boulets pour systèmes de chauffage ou de séchage

Publication

EP 0915289 A2 19990512 (EN)

Application

EP 98308905 A 19981030

Priority

US 96408797 A 19971104

Abstract (en)

A pellet fuel burner (10) includes a compact thermally insulated firebox (56) for providing hot gases to a boiler, furnace or dryer. The apparatus includes a grate (52) that includes a reciprocating arm (98) for removing clinkers and ash from the grate. Pellet fuel feed is provided by a hopper that is isolated from the firebox by an airlock (130). A combustion air manifold (142) is provided around the firebox to preheat primary and secondary combustion air. <IMAGE>

IPC 1-7

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IPC 8 full level

F23H 15/00 (2006.01); **F23K 3/16** (2006.01); **F23L 5/02** (2006.01); **F23L 15/00** (2006.01); **F23M 5/00** (2006.01)

CPC (source: EP US)

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Citation (applicant)

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- US 5383446 A 19950124 - WHITFIELD OLIVER J [US]
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